

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BE111124 SAS No.: BE111124 SDG No.: BE111124

Instrument ID: BNA_E Calibration Date/Time: 11/11/2024 : 10:19

Lab File ID: BE101564.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.466	0.494		6.009	
Pyridine	1.177	1.216		3.314	
2-Fluorophenol	1.131	1.139		0.707	
Benzaldehyde	0.759	0.613		-19.236	
Aniline	1.164	0.999		-14.175	
Phenol-d6	1.551	1.527		-1.547	
Phenol	1.688	1.669		-1.126	20.0
bis(2-Chloroethyl) ether	1.397	1.470		5.225	
2-Chlorophenol	1.340	1.318		-1.642	
1,2-Dichlorobenzene	1.455	1.440		-1.031	
1,3-Dichlorobenzene	1.463	1.454		-0.615	
1,4-Dichlorobenzene	1.482	1.474		-0.54	20.0
Benzyl Alcohol	0.906	0.920		1.545	
2-Methylphenol	1.093	1.063		-2.745	
2,2-oxybis(1-Chloropropane)	1.654	1.652		-0.121	
Acetophenone	0.453	0.448		-1.104	
3+4-Methylphenols	1.515	1.447		-4.488	
n-Nitroso-di-n-propylamine	1.023	0.985	0.050	-3.715	
Nitrobenzene-d5	0.317	0.328		3.47	
Hexachloroethane	0.500	0.500		0.0	
Nitrobenzene	0.329	0.341		3.647	
Isophorone	0.616	0.607		-1.461	
2-Nitrophenol	0.175	0.176		0.571	20.0
2,4-Dimethylphenol	0.203	0.202		-0.493	
bis(2-Chloroethoxy) methane	0.377	0.369		-2.122	
2,4-Dichlorophenol	0.288	0.284		-1.389	20.0
1,2,4-Trichlorobenzene	0.321	0.319		-0.623	
Benzoic acid	0.168	0.191		13.69	
Naphthalene	1.010	1.008		-0.198	
4-Chloroaniline	0.355	0.352		-0.845	
Hexachlorobutadiene	0.198	0.196		-1.01	20.0
Caprolactam	0.106	0.104		-1.887	
4-Chloro-3-methylphenol	0.314	0.307		-2.229	20.0
2-Methylnaphthalene	0.717	0.702		-2.092	
Hexachlorocyclopentadiene	0.154	0.177	0.050	14.935	
2,4,6-Trichlorophenol	0.362	0.364		0.552	20.0
2-Fluorobiphenyl	1.225	1.263		3.102	
2,4,5-Trichlorophenol	0.403	0.410		1.737	
1,1-Biphenyl	1.380	1.394		1.014	

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Lab File ID: BE101564.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.088	1.094		0.551	
2-Nitroaniline	0.288	0.314		9.028	
Dimethylphthalate	1.424	1.413		-0.772	
Acenaphthylene	1.622	1.641		1.171	
2,6-Dinitrotoluene	0.329	0.332		0.912	
3-Nitroaniline	0.319	0.346		8.464	
Acenaphthene	1.035	1.053		1.739	20.0
2,4-Dinitrophenol	0.193	0.212	0.050	9.845	
4-Nitrophenol	0.264	0.290	0.050	9.848	
Dibenzofuran	1.666	1.666		0.0	
2,4-Dinitrotoluene	0.462	0.483		4.545	
Diethylphthalate	1.502	1.505		0.2	
4-Chlorophenyl-phenylether	0.706	0.698		-1.133	
Fluorene	1.391	1.415		1.725	
4-Nitroaniline	0.344	0.376		9.302	
4,6-Dinitro-2-methylphenol	0.119	0.128		7.563	
n-Nitrosodiphenylamine	0.531	0.532		0.188	20.0
Azobenzene	1.225	1.272		3.837	
2,4,6-Tribromophenol	0.376	0.369		-1.862	
4-Bromophenyl-phenylether	0.221	0.213		-3.62	
Hexachlorobenzene	0.290	0.283		-2.414	
Atrazine	0.157	0.160		1.911	
Pentachlorophenol	0.158	0.168		6.329	20.0
Phenanthrene	0.973	0.979		0.617	
Anthracene	0.961	0.973		1.249	
Carbazole	0.963	1.000		3.842	
Di-n-butylphthalate	1.190	1.206		1.345	
Fluoranthene	1.247	1.288		3.288	20.0
Benzidine	0.430	0.506		17.674	
Pyrene	1.138	1.146		0.703	
Terphenyl-d14	0.904	0.916		1.327	
Butylbenzylphthalate	0.511	0.516		0.978	
3,3-Dichlorobenzidine	0.468	0.486		3.846	
Benzo(a)anthracene	1.188	1.211		1.936	
Chrysene	1.129	1.144		1.329	
Bis(2-ethylhexyl)phthalate	0.773	0.763		-1.294	
Di-n-octyl phthalate	1.308	1.288		-1.529	20.0
Benzo(b)fluoranthene	1.097	1.125		2.552	
Benzo(k)fluoranthene	0.996	1.055		5.924	

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Instrument ID: BNA_E Calibration Date/Time: 11/11/2024 : 10:19

Lab File ID: BE101564.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.947	0.953		0.634	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.369		-0.364	
Dibenzo(a,h)anthracene	1.145	1.138		-0.611	
Benzo(g,h,i)perylene	1.163	1.142		-1.806	
1,2,4,5-Tetrachlorobenzene	0.527	0.532		0.949	
1,4-Dioxane	0.421	0.420		-0.238	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.374		0.268	
1-Methylnaphthalene	0.715	0.696		-2.657	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BL	SDG No.:	BE111124
Lab Sample ID:	PB164845BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101565.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BL	SDG No.:	BE111124
Lab Sample ID:	PB164845BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101565.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BL	SDG No.:	BE111124
Lab Sample ID:	PB164845BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101565.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.145		18-112		87	SPK: -150
13127-88-3	Phenol-d6	114.494		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	79.287		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	83.953		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BL	SDG No.:	BE111124
Lab Sample ID:	PB164845BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101565.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	105.664		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	84.682		10-105		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54855	7.557				
1146-65-2	Naphthalene-d8	227680	10.325				
15067-26-2	Acenaphthene-d10	136558	14.167				
1517-22-2	Phenanthrene-d10	302614	16.905				
1719-03-5	Chrysene-d12	361556	21.065				
1520-96-3	Perylene-d12	524875	23.351				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	1500	J			2.681	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			4.784	

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BS	SDG No.:	BE111124
Lab Sample ID:	PB164845BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101566.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	230	J	180	270	330	ug/Kg
62-53-3	Aniline	1500		96.8	130	170	ug/Kg
108-95-2	Phenol	1300		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1200		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1200		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1200		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1300		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	960		240	270	330	ug/Kg
91-20-3	Naphthalene	1200		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	500		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BS	SDG No.:	BE111124
Lab Sample ID:	PB164845BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101566.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6300	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1200		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	700		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1300		81	130	170	ug/Kg
Total PAH	Total PAH	20700		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2400		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2500		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1200		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		85.5	130	170	ug/Kg
86-73-7	Fluorene	1200		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BS	SDG No.:	BE111124
Lab Sample ID:	PB164845BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101566.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2500		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1300		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1300		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1200		81.6	130	170	ug/Kg
92-87-5	Benzidine	1500		160	270	330	ug/Kg
129-00-0	Pyrene	1200		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1200		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		80.6	130	170	ug/Kg
218-01-9	Chrysene	1300		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1100		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.829		18-112		81	SPK: -150
13127-88-3	Phenol-d6	107.733		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	76.377		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	80.209		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	11/10/2024 12:00:00 AM
Project:		Date Received:	11/10/2024 12:00:00 AM
Client Sample ID:	PB164845BS	SDG No.:	BE111124
Lab Sample ID:	PB164845BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101566.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	99.322		10-116		66	SPK: -150
1718-51-0	Terphenyl-d14	78.042		10-105		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62806	7.56				
1146-65-2	Naphthalene-d8	266549	10.322				
15067-26-2	Acenaphthene-d10	161238	14.17				
1517-22-2	Phenanthrene-d10	328735	16.908				
1719-03-5	Chrysene-d12	379308	21.068				
1520-96-3	Perylene-d12	572361	23.348				

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4	SDG No.:	BE111124
Lab Sample ID:	P4756-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101567.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4	SDG No.:	BE111124
Lab Sample ID:	P4756-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101567.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4	SDG No.:	BE111124
Lab Sample ID:	P4756-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101567.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	168.404		10-139		112	SPK: -150
13127-88-3	Phenol-d6	151.671		10-134		101	SPK: -150
4165-60-0	Nitrobenzene-d5	109.722		49-133		110	SPK: -100
321-60-8	2-Fluorobiphenyl	105.454		52-132		105	SPK: -100

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4	SDG No.:	BE111124
Lab Sample ID:	P4756-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101567.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	166.491		44-137		111	SPK: -150
1718-51-0	Terphenyl-d14	113.237		48-125		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48103	7.559				
1146-65-2	Naphthalene-d8	196681	10.321				
15067-26-2	Acenaphthene-d10	126914	14.163				
1517-22-2	Phenanthrene-d10	296210	16.901				
1719-03-5	Chrysene-d12	364666	21.067				
1520-96-3	Perylene-d12	446133	23.347				

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MS	SDG No.:	BE111124
Lab Sample ID:	P4756-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101568.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	490		10.3	80	100	ug/L
110-86-1	Pyridine	340		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	330		16	40	50	ug/L
108-95-2	Phenol	520		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	520		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	370		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	350		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	360		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	550		16	80	100	ug/L
95-48-7	2-Methylphenol	530		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		13.5	40	50	ug/L
98-86-2	Acetophenone	490		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	530		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	490		14.8	25	25	ug/L
67-72-1	Hexachloroethane	360		10.1	40	50	ug/L
98-95-3	Nitrobenzene	470		12.7	40	50	ug/L
78-59-1	Isophorone	530		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	500		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	660		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	550		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	400		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	450		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	65.6		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	390		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MS	SDG No.:	BE111124
Lab Sample ID:	P4756-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101568.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	530		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	480		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	2000	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	530		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	520		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	610		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	560		9.3	40	50	ug/L
208-96-8	Acenaphthylene	590		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	540		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	300		13.7	40	50	ug/L
83-32-9	Acenaphthene	560		8.1	40	50	ug/L
Total PAH	Total PAH	9180		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1300	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1300	E	20	80	100	ug/L
132-64-9	Dibenzofuran	560		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100		27.6	40	100	ug/L
84-66-2	Diethylphthalate	560		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	540		9.8	40	50	ug/L
86-73-7	Fluorene	560		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	540		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	610		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	570		8.9	40	50	ug/L
103-33-3	Azobenzene	580		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	530		11.4	40	50	ug/L
1912-24-9	Atrazine	620		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MS	SDG No.:	BE111124
Lab Sample ID:	P4756-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101568.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	590		8.9	40	50	ug/L
120-12-7	Anthracene	610		10.7	40	50	ug/L
86-74-8	Carbazole	580		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	570		14.7	40	50	ug/L
206-44-0	Fluoranthene	580		12.9	40	50	ug/L
92-87-5	Benzidine	200		40.7	80	100	ug/L
129-00-0	Pyrene	550		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	570		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	380		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	590		9.4	40	50	ug/L
218-01-9	Chrysene	590		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	570		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	590		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	570		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	600		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	620		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	600		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	590		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	530		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	410		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	600		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	169.607		10-139		113	SPK: -150
13127-88-3	Phenol-d6	156.307		10-134		104	SPK: -150
4165-60-0	Nitrobenzene-d5	108.002		49-133		108	SPK: -100
321-60-8	2-Fluorobiphenyl	108.269		52-132		108	SPK: -100

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MS	SDG No.:	BE111124
Lab Sample ID:	P4756-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101568.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	164.248		44-137		109	SPK: -150
1718-51-0	Terphenyl-d14	107.279		48-125		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44179	7.559				
1146-65-2	Naphthalene-d8	193566	10.32				
15067-26-2	Acenaphthene-d10	123802	14.169				
1517-22-2	Phenanthrene-d10	285314	16.907				
1719-03-5	Chrysene-d12	354743	21.072				
1520-96-3	Perylene-d12	454860	23.352				

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MSD	SDG No.:	BE111124
Lab Sample ID:	P4756-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101569.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	540		10.3	80	100	ug/L
110-86-1	Pyridine	370		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	360		16	40	50	ug/L
108-95-2	Phenol	570		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	470		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	550		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	390		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	370		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	580		16	80	100	ug/L
95-48-7	2-Methylphenol	580		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	510		13.5	40	50	ug/L
98-86-2	Acetophenone	520		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	580		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	540		14.8	25	25	ug/L
67-72-1	Hexachloroethane	380		10.1	40	50	ug/L
98-95-3	Nitrobenzene	500		12.7	40	50	ug/L
78-59-1	Isophorone	560		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	540		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	720		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	540		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	580		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	480		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	68.1		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MSD	SDG No.:	BE111124
Lab Sample ID:	P4756-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101569.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	500		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	590		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	520		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	2100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	620		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	610		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	560		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	540		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	640		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	600		9.3	40	50	ug/L
208-96-8	Acenaphthylene	620		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	570		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	260		13.7	40	50	ug/L
83-32-9	Acenaphthene	590		8.1	40	50	ug/L
Total PAH	Total PAH	9790		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1400	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1400	E	20	80	100	ug/L
132-64-9	Dibenzofuran	580		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	160		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	590		15.2	40	50	ug/L
84-66-2	Diethylphthalate	590		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	570		9.8	40	50	ug/L
86-73-7	Fluorene	590		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	560		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	640		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	590		8.9	40	50	ug/L
103-33-3	Azobenzene	610		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	560		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	560		11.4	40	50	ug/L
1912-24-9	Atrazine	600		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MSD	SDG No.:	BE111124
Lab Sample ID:	P4756-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101569.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1300	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	610		8.9	40	50	ug/L
120-12-7	Anthracene	640		10.7	40	50	ug/L
86-74-8	Carbazole	600		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	610		14.7	40	50	ug/L
206-44-0	Fluoranthene	610		12.9	40	50	ug/L
92-87-5	Benzidine	140		40.7	80	100	ug/L
129-00-0	Pyrene	590		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	600		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	330		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	630		9.4	40	50	ug/L
218-01-9	Chrysene	620		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	600		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	630		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	600		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	650		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	660		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	660		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	650		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	590		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	530		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	420		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	630		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	490		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	180.589		10-139		120	SPK: -150
13127-88-3	Phenol-d6	171.021		10-134		114	SPK: -150
4165-60-0	Nitrobenzene-d5	113.565		49-133		114	SPK: -100
321-60-8	2-Fluorobiphenyl	113.698		52-132		114	SPK: -100

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BP-B4MSD	SDG No.:	BE111124
Lab Sample ID:	P4756-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101569.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	172.195		44-137		115	SPK: -150
1718-51-0	Terphenyl-d14	114.928		48-125		115	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40526	7.558				
1146-65-2	Naphthalene-d8	180473	10.326				
15067-26-2	Acenaphthene-d10	119518	14.168				
1517-22-2	Phenanthrene-d10	280842	16.906				
1719-03-5	Chrysene-d12	338384	21.072				
1520-96-3	Perylene-d12	428684	23.352				

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	M00-24-00345	SDG No.:	BE111124
Lab Sample ID:	P4793-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101570.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	M00-24-00345	SDG No.:	BE111124
Lab Sample ID:	P4793-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101570.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	M00-24-00345	SDG No.:	BE111124
Lab Sample ID:	P4793-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101570.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	175.553		10-139		117	SPK: -150
13127-88-3	Phenol-d6	160.526		10-134		107	SPK: -150
4165-60-0	Nitrobenzene-d5	112.108		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	110.664		52-132		111	SPK: -100

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	M00-24-00345	SDG No.:	BE111124
Lab Sample ID:	P4793-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101570.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	178.854		44-137		119	SPK: -150
1718-51-0	Terphenyl-d14	124.305		48-125		124	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	35270	7.557				
1146-65-2	Naphthalene-d8	166554	10.325				
15067-26-2	Acenaphthene-d10	117788	14.167				
1517-22-2	Phenanthrene-d10	293304	16.905				
1719-03-5	Chrysene-d12	330346	21.065				
1520-96-3	Perylene-d12	426782	23.351				

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	LAW-23-00189	SDG No.:	BE111124
Lab Sample ID:	P4795-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101571.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	LAW-23-00189	SDG No.:	BE111124
Lab Sample ID:	P4795-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101571.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	LAW-23-00189	SDG No.:	BE111124
Lab Sample ID:	P4795-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101571.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	164.159		10-139		109	SPK: -150
13127-88-3	Phenol-d6	137.667		10-134		92	SPK: -150
4165-60-0	Nitrobenzene-d5	112.546		49-133		113	SPK: -100
321-60-8	2-Fluorobiphenyl	104.551		52-132		105	SPK: -100

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	LAW-23-00189	SDG No.:	BE111124
Lab Sample ID:	P4795-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101571.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	170.099		44-137		113	SPK: -150
1718-51-0	Terphenyl-d14	118.884		48-125		119	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39706	7.553				
1146-65-2	Naphthalene-d8	167207	10.32				
15067-26-2	Acenaphthene-d10	112501	14.169				
1517-22-2	Phenanthrene-d10	270240	16.901				
1719-03-5	Chrysene-d12	338714	21.067				
1520-96-3	Perylene-d12	425347	23.346				

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	BE111124
Lab Sample ID:	P4796-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101572.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.9	U	53.9	170	210	ug/Kg
110-86-1	Pyridine	49.6	U	49.6	80.8	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.2	U	60.2	80.8	110	ug/Kg
108-95-2	Phenol	51.5	U	51.5	80.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52	U	52	80.8	110	ug/Kg
95-57-8	2-Chlorophenol	51.9	U	51.9	80.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.6	U	52.6	80.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.4	U	53.4	80.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.7	U	53.7	80.8	110	ug/Kg
100-51-6	Benzyl Alcohol	51.6	U	51.6	170	210	ug/Kg
95-48-7	2-Methylphenol	50.1	U	50.1	80.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.5	U	56.5	80.8	110	ug/Kg
98-86-2	Acetophenone	54	U	54	80.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.6	U	49.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25	U	25	49.7	49.7	ug/Kg
67-72-1	Hexachloroethane	51.6	U	51.6	80.8	110	ug/Kg
98-95-3	Nitrobenzene	56.4	U	56.4	80.8	110	ug/Kg
78-59-1	Isophorone	52.6	U	52.6	80.8	110	ug/Kg
88-75-5	2-Nitrophenol	58.7	U	58.7	80.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	57.9	U	57.9	80.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.3	U	53.3	80.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	46.9	U	46.9	80.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.1	U	53.1	80.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.3	U	51.3	80.8	110	ug/Kg
106-47-8	4-Chloroaniline	51.3	U	51.3	80.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.8	U	51.8	80.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	BE111124
Lab Sample ID:	P4796-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101572.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	53.9	U	53.9	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.1	U	48.1	80.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.3	U	51.3	80.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96.9	U	96.9	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.4	U	44.4	80.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46	U	46	80.8	110	ug/Kg
92-52-4	1,1-Biphenyl	54.3	U	54.3	80.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.8	U	51.8	80.8	110	ug/Kg
88-74-4	2-Nitroaniline	59	U	59	80.8	110	ug/Kg
131-11-3	Dimethylphthalate	50.8	U	50.8	80.8	110	ug/Kg
208-96-8	Acenaphthylene	53.7	U	53.7	80.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.7	U	51.7	80.8	110	ug/Kg
99-09-2	3-Nitroaniline	55.4	U	55.4	80.8	110	ug/Kg
83-32-9	Acenaphthene	50.4	U	50.4	80.8	110	ug/Kg
Total PAH	Total PAH	823.2	U	823.2	80.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.1	U	72.1	170	210	ug/Kg
132-64-9	Dibenzofuran	52.4	U	52.4	80.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.3	U	105.3	80.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.6	U	53.6	80.8	110	ug/Kg
84-66-2	Diethylphthalate	49.8	U	49.8	80.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.2	U	53.2	80.8	110	ug/Kg
86-73-7	Fluorene	53.1	U	53.1	80.8	110	ug/Kg
100-01-6	4-Nitroaniline	66.5	U	66.5	80.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.7	U	72.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.7	U	50.7	80.8	110	ug/Kg
103-33-3	Azobenzene	49.5	U	49.5	80.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49	U	49	80.8	110	ug/Kg
118-74-1	Hexachlorobenzene	52.8	U	52.8	80.8	110	ug/Kg
1912-24-9	Atrazine	56.8	U	56.8	80.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	BE111124
Lab Sample ID:	P4796-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101572.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48	U	48	170	210	ug/Kg
85-01-8	Phenanthrene	52.2	U	52.2	80.8	110	ug/Kg
120-12-7	Anthracene	52.4	U	52.4	80.8	110	ug/Kg
86-74-8	Carbazole	49.9	U	49.9	80.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	80.8	110	ug/Kg
206-44-0	Fluoranthene	50.8	U	50.8	80.8	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	51.6	U	51.6	80.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.1	U	60.1	80.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.3	U	61.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.1	U	50.1	80.8	110	ug/Kg
218-01-9	Chrysene	49.4	U	49.4	80.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.5	U	56.5	80.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.3	U	68.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.4	U	50.4	80.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.3	U	51.3	80.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	57.8	U	57.8	80.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.5	U	48.5	80.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.4	U	50.4	80.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49.8	U	49.8	80.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.9	U	53.9	80.8	110	ug/Kg
123-91-1	1,4-Dioxane	68.3	U	68.3	80.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.4	U	46.4	80.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.7	U	51.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.454		18-112		68	SPK: -150
13127-88-3	Phenol-d6	97.882		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	63.454		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	65.037		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	BE111124
Lab Sample ID:	P4796-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101572.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	100.379		10-116		67	SPK: -150
1718-51-0	Terphenyl-d14	77.746		10-105		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	33445	7.555				
1146-65-2	Naphthalene-d8	147918	10.322				
15067-26-2	Acenaphthene-d10	106695	14.165				
1517-22-2	Phenanthrene-d10	267919	16.903				
1719-03-5	Chrysene-d12	326223	21.063				
1520-96-3	Perylene-d12	413661	23.348				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	3100	J			2.673	
000994-05-8	Butane, 2-methoxy-2-methyl-	530	J			2.861	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			4.776	
000119-61-9	Benzophenone	140	J			15.534	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	780	J			21.744	

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BE111124
Lab Sample ID:	P4796-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101573.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.3	U	54.3	170	210	ug/Kg
110-86-1	Pyridine	50	U	50	81.3	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.6	U	60.6	81.3	110	ug/Kg
108-95-2	Phenol	51.8	U	51.8	81.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.3	U	52.3	81.3	110	ug/Kg
95-57-8	2-Chlorophenol	52.2	U	52.2	81.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.9	U	52.9	81.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.8	U	53.8	81.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.1	U	54.1	81.3	110	ug/Kg
100-51-6	Benzyl Alcohol	51.9	U	51.9	170	210	ug/Kg
95-48-7	2-Methylphenol	50.4	U	50.4	81.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.8	U	56.8	81.3	110	ug/Kg
98-86-2	Acetophenone	54.3	U	54.3	81.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.9	U	49.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.2	U	25.2	50	50	ug/Kg
67-72-1	Hexachloroethane	51.9	U	51.9	81.3	110	ug/Kg
98-95-3	Nitrobenzene	56.8	U	56.8	81.3	110	ug/Kg
78-59-1	Isophorone	52.9	U	52.9	81.3	110	ug/Kg
88-75-5	2-Nitrophenol	59.1	U	59.1	81.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.3	U	58.3	81.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.7	U	53.7	81.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.2	U	47.2	81.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.4	U	53.4	81.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.7	U	51.7	81.3	110	ug/Kg
106-47-8	4-Chloroaniline	51.7	U	51.7	81.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.1	U	52.1	81.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BE111124
Lab Sample ID:	P4796-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101573.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.3	U	54.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.5	U	48.5	81.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.6	U	51.6	81.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.6	U	97.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.7	U	44.7	81.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.3	U	46.3	81.3	110	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	81.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.1	U	52.1	81.3	110	ug/Kg
88-74-4	2-Nitroaniline	59.4	U	59.4	81.3	110	ug/Kg
131-11-3	Dimethylphthalate	51.1	U	51.1	81.3	110	ug/Kg
208-96-8	Acenaphthylene	54.1	U	54.1	81.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52	U	52	81.3	110	ug/Kg
99-09-2	3-Nitroaniline	55.8	U	55.8	81.3	110	ug/Kg
83-32-9	Acenaphthene	50.7	U	50.7	81.3	110	ug/Kg
Total PAH	Total PAH	828.8	U	828.8	81.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.5	U	72.5	170	210	ug/Kg
132-64-9	Dibenzofuran	52.8	U	52.8	81.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.9	U	53.9	81.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.9	U	105.9	81.3	220	ug/Kg
84-66-2	Diethylphthalate	50.1	U	50.1	81.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.5	U	53.5	81.3	110	ug/Kg
86-73-7	Fluorene	53.5	U	53.5	81.3	110	ug/Kg
100-01-6	4-Nitroaniline	66.9	U	66.9	81.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.2	U	73.2	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51	U	51	81.3	110	ug/Kg
103-33-3	Azobenzene	49.8	U	49.8	81.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.3	U	49.3	81.3	110	ug/Kg
118-74-1	Hexachlorobenzene	53.2	U	53.2	81.3	110	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	81.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BE111124
Lab Sample ID:	P4796-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101573.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.3	U	48.3	170	210	ug/Kg
85-01-8	Phenanthrene	52.5	U	52.5	81.3	110	ug/Kg
120-12-7	Anthracene	52.8	U	52.8	81.3	110	ug/Kg
86-74-8	Carbazole	50.2	U	50.2	81.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.7	U	52.7	81.3	110	ug/Kg
206-44-0	Fluoranthene	51.1	U	51.1	81.3	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	51.9	U	51.9	81.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.5	U	60.5	81.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.7	U	61.7	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.5	U	50.5	81.3	110	ug/Kg
218-01-9	Chrysene	49.7	U	49.7	81.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.9	U	56.9	81.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.8	U	68.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.7	U	50.7	81.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.7	U	51.7	81.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.2	U	58.2	81.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.8	U	48.8	81.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.8	U	50.8	81.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.1	U	50.1	81.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.3	U	54.3	81.3	110	ug/Kg
123-91-1	1,4-Dioxane	68.8	U	68.8	81.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.7	U	46.7	81.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	52	U	52	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.159		18-112		78	SPK: -150
13127-88-3	Phenol-d6	109.185		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	71.285		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	73.541		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	11/8/2024 12:00:00 AM
Project:		Date Received:	11/8/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BE111124
Lab Sample ID:	P4796-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101573.D	1	11/10/2024 12:00:00 AM	11/11/2024 12:00:00 AM	PB164845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.898		10-116		75	SPK: -150
1718-51-0	Terphenyl-d14	86.197		10-105		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38658	7.553				
1146-65-2	Naphthalene-d8	171044	10.32				
15067-26-2	Acenaphthene-d10	119826	14.163				
1517-22-2	Phenanthrene-d10	300796	16.901				
1719-03-5	Chrysene-d12	357658	21.067				
1520-96-3	Perylene-d12	456756	23.346				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	3700	J			2.67	
000994-05-8	Butane, 2-methoxy-2-methyl-	570	J			2.864	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			4.774	
000119-61-9	Benzophenone	99.9	J			15.532	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	140	J			21.742	

Hit Summary Sheet SW-846

SDG No.: BE111124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : M00-24-00345								
P4793-02	M00-24-00345	water	Caprolactam	270.000		16.5	100	ug/L
			Total Svoc :			270.00		
			Total Concentration:			270.00		
Client ID : TP-2								
P4796-03	TP-2	Solid	1,4-Benzenedicarboxylic acid, bis *	140.000	J			
P4796-03	TP-2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P4796-03	TP-2	Solid	Benzophenone *	99.900	J			
P4796-03	TP-2	Solid	Butane, 2-methoxy-2-methyl- *	570.000	J			
P4796-03	TP-2	Solid	Propane, 2,2-dimethoxy- *	3,700.000	J			
			Total Tics :			4,629.90		
			Total Concentration:			4,629.90		
Client ID : TP-4								
P4796-07	TP-4	Solid	1,4-Benzenedicarboxylic acid, bis *	780.000	J			
P4796-07	TP-4	Solid	2-Pentanone, 4-hydroxy-4-methyl *	110.000	A			
P4796-07	TP-4	Solid	Benzophenone *	140.000	J			
P4796-07	TP-4	Solid	Butane, 2-methoxy-2-methyl- *	530.000	J			
P4796-07	TP-4	Solid	Propane, 2,2-dimethoxy- *	3,100.000	J			
			Total Tics :			4,660.00		
			Total Concentration:			4,660.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE110624

SAS No.: BE110624

SDG No.: BE110624

Instrument ID: _____

Calibration Date(s): 11/6/2024 : _____

Calibration Time(s): 13:51 _____

LAB FILE ID:		RRF2.5 = BE101493.D			RRF005 = BE101494.D		RRF010 = BE101495.D	
		RRF020 = BE101496.D			RRF040 = BE101497.D		RRF050 = BE101498.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.509	0.465	0.446	0.445	0.461	0.466	4.6
Pyridine		1.154	1.183	1.143	1.154	1.192	1.177	2.5
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.759	19.8
Aniline		1.323	1.251	1.316	1.368	1.026	1.164	17.5
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
Phenol		1.646	1.682	1.702	1.664	1.709	1.688	2.5
bis(2-Chloroethyl)ether		1.362	1.474	1.392	1.165	1.446	1.397	8.0
2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.340	1.3
1,2-Dichlorobenzene		1.559	1.496	1.481	1.418	1.416	1.455	4.2
1,3-Dichlorobenzene		1.573	1.526	1.491	1.424	1.410	1.463	4.7
1,4-Dichlorobenzene		1.565	1.543	1.508	1.444	1.437	1.482	3.9
Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.906	6.9
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
2,2-oxybis(1-Chloropropane)		1.733	1.690	1.700	1.628	1.625	1.654	3.4
Acetophenone		0.462	0.460	0.461	0.443	0.447	0.453	1.9
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
n-Nitroso-di-n-propylamine	0.958	0.996	1.040	1.058	1.027	1.046	1.023	3.5
Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.317	1.5
Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.500	3.0
Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.329	1.4
Isophorone		0.599	0.619	0.632	0.611	0.618	0.616	2.0
2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.175	5.4
2,4-Dimethylphenol		0.196	0.199	0.204	0.198	0.205	0.203	2.8
bis(2-Chloroethoxy)methane		0.376	0.383	0.386	0.371	0.375	0.377	1.7
2,4-Dichlorophenol		0.275	0.279	0.289	0.283	0.294	0.288	3.4
1,2,4-Trichlorobenzene		0.344	0.326	0.323	0.311	0.313	0.321	3.6
Benzoic acid			0.112	0.137	0.166	0.191	0.168	22.2
Naphthalene		1.071	1.033	1.027	0.983	0.983	1.010	3.6
4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.355	3.7
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
Caprolactam		0.097	0.107	0.107	0.107	0.106	0.106	4.1
4-Chloro-3-methylphenol		0.293	0.318	0.316	0.312	0.318	0.314	3.3
2-Methylnaphthalene		0.744	0.733	0.733	0.706	0.705	0.717	2.9
Hexachlorocyclopentadiene		0.106	0.128	0.153	0.167	0.175	0.154	17.7
2,4,6-Trichlorophenol		0.358	0.352	0.360	0.358	0.361	0.362	2.2

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE110624

SAS No.: BE110624

SDG No.: BE110624

Instrument ID: _____

Calibration Date(s): 11/6/2024 : _____

Calibration Time(s): 13:51 _____

LAB FILE ID:		RRF2.5 = BE101493.D		RRF005 = BE101494.D		RRF010 = BE101495.D		
		RRF020 = BE101496.D		RRF040 = BE101497.D		RRF050 = BE101498.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.353	1.295	1.299	1.204	1.160	1.225	7.5
2,4,5-Trichlorophenol		0.390	0.381	0.402	0.400	0.411	0.403	3.7
1,1-Biphenyl		1.451	1.416	1.424	1.336	1.344	1.380	3.7
2-Chloronaphthalene		1.124	1.104	1.115	1.060	1.065	1.088	2.5
2-Nitroaniline		0.248	0.273	0.292	0.288	0.300	0.288	7.4
Dimethylphthalate		1.500	1.479	1.478	1.389	1.368	1.424	4.2
Acenaphthylene		1.664	1.660	1.661	1.584	1.586	1.622	2.6
2,6-Dinitrotoluene		0.316	0.330	0.336	0.324	0.327	0.329	2.2
3-Nitroaniline		0.282	0.320	0.335	0.328	0.323	0.319	5.7
Acenaphthene		1.116	1.075	1.080	1.007	0.996	1.035	5.4
2,4-Dinitrophenol			0.139	0.178	0.194	0.208	0.193	15.8
4-Nitrophenol		0.197	0.235	0.278	0.275	0.274	0.264	13.3
Dibenzofuran		1.799	1.736	1.724	1.615	1.591	1.666	5.2
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
Diethylphthalate		1.600	1.579	1.577	1.457	1.442	1.502	5.4
4-Chlorophenyl-phenylether		0.757	0.736	0.733	0.689	0.680	0.706	5.1
Fluorene		1.490	1.475	1.458	1.363	1.328	1.391	6.0
4-Nitroaniline		0.285	0.334	0.359	0.349	0.355	0.344	8.1
4,6-Dinitro-2-methylphenol		0.084	0.104	0.117	0.123	0.131	0.119	16.0
n-Nitrosodiphenylamine		0.550	0.534	0.545	0.519	0.526	0.531	2.7
Azobenzene		1.283	1.269	1.289	1.196	1.183	1.225	4.4
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
4-Bromophenyl-phenylether		0.226	0.218	0.221	0.214	0.221	0.221	1.9
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Atrazine		0.202	0.187	0.151	0.171	0.121	0.157	19.7
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Phenanthrene		1.067	1.000	1.016	0.942	0.936	0.973	5.9
Anthracene		1.030	0.985	0.998	0.943	0.932	0.961	4.9
Carbazole		1.030	1.003	1.001	0.940	0.924	0.963	5.0
Di-n-butylphthalate		1.312	1.269	1.261	1.170	1.128	1.190	7.7
Fluoranthene		1.442	1.353	1.316	1.208	1.157	1.247	10.0
Benzidine		0.324	0.433	0.250	0.403	0.656	0.430	30.2
Pyrene		1.201	1.158	1.199	1.130	1.125	1.138	4.9
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4
Butylbenzylphthalate		0.541	0.522	0.531	0.507	0.500	0.511	4.3
3,3-Dichlorobenzidine		0.466	0.474	0.480	0.469	0.478	0.468	2.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BE110624 SAS No.: BE110624 SDG No.: BE110624
Instrument ID: _____ Calibration Date(s): 11/6/2024 : _____
Calibration Time(s): 13:51 _____

LAB FILE ID:		RRF2.5 = BE101493.D			RRF005 = BE101494.D		RRF010 = BE101495.D	
		RRF020 = BE101496.D			RRF040 = BE101497.D		RRF050 = BE101498.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.334	1.258	1.258	1.170	1.138	1.188	8.5
Chrysene		1.261	1.215	1.207	1.116	1.074	1.129	9.1
Bis(2-ethylhexyl)phthalate		0.857	0.816	0.822	0.760	0.738	0.773	7.8
Di-n-octyl phthalate		1.510	1.430	1.383	1.284	1.226	1.308	10.6
Benzo(b)fluoranthene		1.220	1.158	1.107	1.056	1.053	1.097	6.5
Benzo(k)fluoranthene		1.119	1.045	1.080	0.977	0.966	0.996	9.2
Benzo(a)pyrene		1.023	0.974	0.977	0.926	0.923	0.947	5.0
Indeno(1,2,3-cd)pyrene		1.480	1.394	1.411	1.347	1.342	1.374	4.4
Dibenzo(a,h)anthracene		1.250	1.169	1.189	1.128	1.111	1.145	5.7
Benzo(g,h,i)perylene		1.239	1.164	1.182	1.133	1.148	1.163	3.5
1,2,4,5-Tetrachlorobenzene		0.546	0.518	0.535	0.513	0.519	0.527	2.2
1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.421	10.5
2,3,4,6-Tetrachlorophenol		0.379	0.366	0.377	0.369	0.370	0.373	1.5
1-Methylnaphthalene		0.752	0.738	0.734	0.696	0.697	0.715	3.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BE111124 SAS No.: BE111124 SDG NO.: BE111124

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 11 2024 12:00AM

Lab File ID: BE101497.D Time Analyzed: 10:55

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	65428	7.563	303330	10.33	215457	14.17
UPPER LIMIT	130856	8.063	606660	10.831	430914	14.673
LOWER LIMIT	32714	7.063	151665	9.831	107728.5	13.673
EPA SAMPLE NO.						
01 PB164845BL	54855	7.56	227680	10.33	136558	14.17
02 PB164845BS	62806	7.56	266549	10.32	161238	14.17
03 BP-B4	48103	7.56	196681	10.32	126914	14.16
04 BP-B4MS	44179	7.56	193566	10.32	123802	14.17
05 BP-B4MSD	40526	7.56	180473	10.33	119518	14.17
06 M00-24-00345	35270	7.56	166554	10.33	117788	14.17
07 LAW-23-00189	39706	7.55	167207	10.32	112501	14.17
08 TP-4	33445	7.56	147918 *	10.32	106695 *	14.17
09 TP-2	38658	7.55	171044	10.32	119826	14.16

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BE111124 SAS No.: BE111124 SDG NO.: BE111124

EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 11 2024 12:00AM

Lab File ID: BE101564.D Time Analyzed: 10:55

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	67067	7.559	291057	10.33	192797	14.17
UPPER LIMIT	134134	8.059	582114	10.826	385594	14.669
LOWER LIMIT	33533.5	7.059	145528.5	9.826	96398.5	13.669
EPA SAMPLE NO.						
01 PB164845BL	54855	7.56	227680	10.33	136558	14.17
02 PB164845BS	62806	7.56	266549	10.32	161238	14.17
03 BP-B4	48103	7.56	196681	10.32	126914	14.16
04 BP-B4MS	44179	7.56	193566	10.32	123802	14.17
05 BP-B4MSD	40526	7.56	180473	10.33	119518	14.17
06 M00-24-00345	35270	7.56	166554	10.33	117788	14.17
07 LAW-23-00189	39706	7.55	167207	10.32	112501	14.17
08 TP-4	33445 *	7.56	147918	10.32	106695	14.17
09 TP-2	38658	7.55	171044	10.32	119826	14.16

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BE111124 SAS No.: BE111124 SDG NO.: BE111124

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 11 2024 12:00AM

Lab File ID: BE101497.D Time Analyzed: 10:55

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	491742	16.911	550275	21.077	716867	23.357
UPPER LIMIT	983484	17.411	1100550	21.577	1433734	23.857
LOWER LIMIT	245871	16.411	275137.5	20.577	358433.5	22.857
EPA SAMPLE NO.						
01 PB164845BL	302614	16.91	361556	21.07	524875	23.35
02 PB164845BS	328735	16.91	379308	21.07	572361	23.35
03 BP-B4	296210	16.90	364666	21.07	446133	23.35
04 BP-B4MS	285314	16.91	354743	21.07	454860	23.35
05 BP-B4MSD	280842	16.91	338384	21.07	428684	23.35
06 M00-24-00345	293304	16.91	330346	21.07	426782	23.35
07 LAW-23-00189	270240	16.90	338714	21.07	425347	23.35
08 TP-4	267919	16.90	326223	21.06	413661	23.35
09 TP-2	300796	16.90	357658	21.07	456756	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BE111124 SAS No.: BE111124 SDG NO.: BE111124

EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 11 2024 12:00AM

Lab File ID: BE101564.D Time Analyzed: 10:55

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	444449	16.907	521359	21.072	640453	23.358
UPPER LIMIT	888898	17.407	1042718	21.572	1280906	23.858
LOWER LIMIT	222224.5	16.407	260679.5	20.572	320226.5	22.858
EPA SAMPLE NO.						
01 PB164845BL	302614	16.91	361556	21.07	524875	23.35
02 PB164845BS	328735	16.91	379308	21.07	572361	23.35
03 BP-B4	296210	16.90	364666	21.07	446133	23.35
04 BP-B4MS	285314	16.91	354743	21.07	454860	23.35
05 BP-B4MSD	280842	16.91	338384	21.07	428684	23.35
06 M00-24-00345	293304	16.91	330346	21.07	426782	23.35
07 LAW-23-00189	270240	16.90	338714	21.07	425347	23.35
08 TP-4	267919	16.90	326223	21.06	413661	23.35
09 TP-2	300796	16.90	357658	21.07	456756	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164845BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	230	ug/Kg	14				10	133	
	Aniline	1700	1500	ug/Kg	88				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	1,2-Dichlorobenzene	1700	1200	ug/Kg	71				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76				42	116	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1200	ug/Kg	71				66	98	
	3+4-Methylphenols	1700	1200	ug/Kg	71				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1300	ug/Kg	76				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1200	ug/Kg	71				66	97	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1200	ug/Kg	71				44	110	
	Benzoic acid	1700	960	ug/Kg	56				10	140	
	Naphthalene	1700	1200	ug/Kg	71				62	100	
	4-Chloroaniline	1700	500	ug/Kg	29				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1000	ug/Kg	59			*	67	110	
	4-Chloro-3-methylphenol	1700	1100	ug/Kg	65				58	112	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				60	104	
	Hexachlorocyclopentadiene	3300	6300	ug/Kg	191			*	45	165	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101	
	Dimethylphthalate	1700	1200	ug/Kg	71				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1200	ug/Kg	71				61	104	
	3-Nitroaniline	1700	700	ug/Kg	41				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	20700	ug/Kg	76				57	104	
	2,4-Dinitrophenol	3300	2400	ug/Kg	73				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164845BS	4-Nitrophenol	3300	2500	ug/Kg	76				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1200	ug/Kg	71				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	2400	ug/Kg	71				60	106	
	Diethylphthalate	1700	1200	ug/Kg	71				60	101	
	4-Chlorophenyl-phenylether	1700	1200	ug/Kg	71				58	98	
	Fluorene	1700	1200	ug/Kg	71				61	101	
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103	
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				66	102	
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2500	ug/Kg	76				67	105	
	Phenanthrene	1700	1300	ug/Kg	76				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1200	ug/Kg	71				57	107	
	Benzidine	3300	1500	ug/Kg	45				10	98	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1200	ug/Kg	71				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1200	ug/Kg	71				54	135	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				52	137	
	Benzo(b)fluoranthene	1700	1200	ug/Kg	71				62	109	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1200	ug/Kg	71				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1200	ug/Kg	71				59	108	
	1-Methylnaphthalene	1700	1100	ug/Kg	65		*		70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164845BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE111124

SAS No.: BE111124 SDG NO.: BE111124

Lab File ID: BE101565.D

Lab Sample ID: PB164845BL

Instrument ID: BNA_E

Date Extracted: 11/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 11/11/2024

Level: (low/med) LOW

Time Analyzed: 10:55

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164845BS	PB164845BS	BE101566.D	11/11/2024
TP-4	P4796-07	BE101572.D	11/11/2024
TP-2	P4796-03	BE101573.D	11/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BP-B4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE111124

SAS No.: BE111124 SDG NO.: BE111124

Lab File ID: BE101567.D

Lab Sample ID: P4756-04

Instrument ID: BNA_E

Date Extracted: 11/10/2024

Matrix: (soil/water) water

Date Analyzed: 11/11/2024

Level: (low/med) LOW

Time Analyzed: 12:09

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BP-B4	P4756-04	BE101567.D	11/11/2024
BP-B4MS	P4756-04MS	BE101568.D	11/11/2024
BP-B4MSD	P4756-04MSD	BE101569.D	11/11/2024
M00-24-00345	P4793-02	BE101570.D	11/11/2024
LAW-23-00189	P4795-02	BE101571.D	11/11/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4756-04MS		Client Sample ID: BP-B4MS		DataFile: BE101568.D							
n-Nitrosodimethylamine	500		490	ug/L	98				10	130	
Pyridine	500		340	ug/L	68				10	109	
Benzaldehyde	500		0	ug/L	0	*			10	137	
Aniline	500		330	ug/L	66				10	130	
Phenol	500		520	ug/L	104				10	130	
bis(2-Chloroethyl)ether	500		430	ug/L	86				29	141	
2-Chlorophenol	500		520	ug/L	104				23	127	
1,2-Dichlorobenzene	500		370	ug/L	74				61	114	
1,3-Dichlorobenzene	500		350	ug/L	70				65	106	
1,4-Dichlorobenzene	500		360	ug/L	72				55	125	
Benzyl Alcohol	500		550	ug/L	110	*			31	94	
2-Methylphenol	500		530	ug/L	106				37	126	
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96				36	141	
Acetophenone	500		490	ug/L	98				31	164	
3+4-Methylphenols	500		530	ug/L	106				31	127	
N-Nitroso-di-n-propylamine	500		490	ug/L	98				36	147	
Hexachloroethane	500		360	ug/L	72				49	110	
Nitrobenzene	500		470	ug/L	94				62	112	
Isophorone	500		530	ug/L	106				39	146	
2-Nitrophenol	500		500	ug/L	100				30	148	
2,4-Dimethylphenol	500		660	ug/L	132				17	143	
bis(2-Chloroethoxy)methane	500		510	ug/L	102				39	143	
2,4-Dichlorophenol	500		550	ug/L	110				22	146	
1,2,4-Trichlorobenzene	500		400	ug/L	80				66	110	
Benzoic acid	500		470	ug/L	94				10	101	
Naphthalene	500		450	ug/L	90				17	157	
4-Chloroaniline	500		65.6	ug/L	13				10	95	
Hexachlorobutadiene	500		390	ug/L	78				52	125	
Caprolactam	500		450	ug/L	90				10	130	
4-Chloro-3-methylphenol	500		530	ug/L	106				17	148	
2-Methylnaphthalene	500		480	ug/L	96				38	146	
Hexachlorocyclopentadiene	1000		2000	ug/L	200	*			20	153	
2,4,6-Trichlorophenol	500		590	ug/L	118	*			78	112	
2,4,5-Trichlorophenol	500		580	ug/L	116	*			71	111	
1,1-Biphenyl	500		530	ug/L	106				38	154	
2-Chloronaphthalene	500		520	ug/L	104				41	145	
2-Nitroaniline	500		610	ug/L	122				39	151	
Dimethylphthalate	500		560	ug/L	112				42	147	
Acenaphthylene	500		590	ug/L	118				40	141	
2,6-Dinitrotoluene	500		540	ug/L	108				43	148	
3-Nitroaniline	500		300	ug/L	60				10	111	
Acenaphthene	500		560	ug/L	112				37	146	
Total PAH	8000		9180	ug/L	115				37	146	
2,4-Dinitrophenol	1000		1300	ug/L	130				14	167	
4-Nitrophenol	1000		1300	ug/L	130				10	130	
Dibenzofuran	500		560	ug/L	112				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		560	ug/L	112				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1100	ug/L	110				50	142	
Diethylphthalate	500		560	ug/L	112				41	148	
4-Chlorophenyl-phenylether	500		540	ug/L	108				38	149	
Fluorene	500		560	ug/L	112				39	144	
4-Nitroaniline	500		540	ug/L	108				27	138	
4,6-Dinitro-2-methylphenol	500		610	ug/L	122				32	175	
N-Nitrosodiphenylamine	500		570	ug/L	114				40	150	
Azobenzene	500		580	ug/L	116	*			72	112	
4-Bromophenyl-phenylether	500		540	ug/L	108				42	151	
Hexachlorobenzene	500		530	ug/L	106				72	115	
Atrazine	500		620	ug/L	124				20	162	
Pentachlorophenol	1000		1200	ug/L	120				25	139	
Phenanthrene	500		590	ug/L	118				40	147	
Anthracene	500		610	ug/L	122				41	146	
Carbazole	500		580	ug/L	116				37	154	
Di-n-butylphthalate	500		570	ug/L	114				40	151	
Fluoranthene	500		580	ug/L	116				42	146	
Benzydine	1000		200	ug/L	20				10	130	
Pyrene	500		550	ug/L	110				41	149	
Butylbenzylphthalate	500		570	ug/L	114				39	155	
3,3-Dichlorobenzidine	500		380	ug/L	76				10	114	
Benzo(a)anthracene	500		590	ug/L	118				41	147	
Chrysene	500		590	ug/L	118				44	144	
bis(2-Ethylhexyl)phthalate	500		570	ug/L	114				33	160	
Di-n-octyl phthalate	500		590	ug/L	118				36	158	
Benzo(b)fluoranthene	500		570	ug/L	114				40	150	
Benzo(k)fluoranthene	500		600	ug/L	120				40	147	
Benzo(a)pyrene	500		620	ug/L	124				42	147	
Indeno(1,2,3-cd)pyrene	500		600	ug/L	120				30	166	
Dibenz(a,h)anthracene	500		590	ug/L	118				23	172	
Benzo(g,h,i)perylene	500		530	ug/L	106				27	167	
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100				89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		600	ug/L	120	*			91	111	
1-Methylnaphthalene	500		460	ug/L	92				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4756-04MSD		Client Sample ID: BP-B4MSD					DataFile: BE101569.D				
n-Nitrosodimethylamine	500		540	ug/L	108		10		10	130	20
Pyridine	500		370	ug/L	74		8		10	109	20
Benzaldehyde	500		0	ug/L	0	*			10	137	20
Aniline	500		360	ug/L	72		9		10	130	20
Phenol	500		570	ug/L	114		9		10	130	20
bis(2-Chloroethyl)ether	500		470	ug/L	94		9		29	141	20
2-Chlorophenol	500		550	ug/L	110		6		23	127	20
1,2-Dichlorobenzene	500		390	ug/L	78		5		61	114	20
1,3-Dichlorobenzene	500		370	ug/L	74		6		65	106	20
1,4-Dichlorobenzene	500		380	ug/L	76		5		55	125	20
Benzyl Alcohol	500		580	ug/L	116	*	5		31	94	20
2-Methylphenol	500		580	ug/L	116		9		37	126	20
2,2-oxybis(1-Chloropropane)	500		510	ug/L	102		6		36	141	20
Acetophenone	500		520	ug/L	104		6		31	164	20
3+4-Methylphenols	500		580	ug/L	116		9		31	127	20
N-Nitroso-di-n-propylamine	500		540	ug/L	108		10		36	147	20
Hexachloroethane	500		380	ug/L	76		5		49	110	20
Nitrobenzene	500		500	ug/L	100		6		62	112	20
Isophorone	500		560	ug/L	112		6		39	146	20
2-Nitrophenol	500		540	ug/L	108		8		30	148	20
2,4-Dimethylphenol	500		720	ug/L	144	*	9		17	143	20
bis(2-Chloroethoxy)methane	500		540	ug/L	108		6		39	143	20
2,4-Dichlorophenol	500		580	ug/L	116		5		22	146	20
1,2,4-Trichlorobenzene	500		420	ug/L	84		5		66	110	20
Benzoic acid	500		470	ug/L	94		0		10	101	20
Naphthalene	500		480	ug/L	96		6		17	157	20
4-Chloroaniline	500		68.1	ug/L	14		7		10	95	20
Hexachlorobutadiene	500		410	ug/L	82		5		52	125	20
Caprolactam	500		500	ug/L	100		11		10	130	20
4-Chloro-3-methylphenol	500		590	ug/L	118		11		17	148	20
2-Methylnaphthalene	500		520	ug/L	104		8		38	146	20
Hexachlorocyclopentadiene	1000		2100	ug/L	210	*	5		20	153	20
2,4,6-Trichlorophenol	500		620	ug/L	124	*	5		78	112	20
2,4,5-Trichlorophenol	500		610	ug/L	122	*	5		71	111	20
1,1-Biphenyl	500		560	ug/L	112		6		38	154	20
2-Chloronaphthalene	500		540	ug/L	108		4		41	145	20
2-Nitroaniline	500		640	ug/L	128		5		39	151	20
Dimethylphthalate	500		600	ug/L	120		7		42	147	20
Acenaphthylene	500		620	ug/L	124		5		40	141	20
2,6-Dinitrotoluene	500		570	ug/L	114		5		43	148	20
3-Nitroaniline	500		260	ug/L	52		14		10	111	20
Acenaphthene	500		590	ug/L	118		5		37	146	20
Total PAH	8000		9790	ug/L	122		6		37	146	20
2,4-Dinitrophenol	1000		1400	ug/L	140		7		14	167	20
4-Nitrophenol	1000		1400	ug/L	140	*	7		10	130	20
Dibenzofuran	500		580	ug/L	116		4		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		590	ug/L	118		5		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1160	ug/L	116		5		50	142	20
Diethylphthalate	500		590	ug/L	118		5		41	148	20
4-Chlorophenyl-phenylether	500		570	ug/L	114		5		38	149	20
Fluorene	500		590	ug/L	118		5		39	144	20
4-Nitroaniline	500		560	ug/L	112		4		27	138	20
4,6-Dinitro-2-methylphenol	500		640	ug/L	128		5		32	175	20
N-Nitrosodiphenylamine	500		590	ug/L	118		3		40	150	20
Azobenzene	500		610	ug/L	122	*	5		72	112	20
4-Bromophenyl-phenylether	500		560	ug/L	112		4		42	151	20
Hexachlorobenzene	500		560	ug/L	112		6		72	115	20
Atrazine	500		600	ug/L	120		3		20	162	20
Pentachlorophenol	1000		1300	ug/L	130		8		25	139	20
Phenanthrene	500		610	ug/L	122		3		40	147	20
Anthracene	500		640	ug/L	128		5		41	146	20
Carbazole	500		600	ug/L	120		3		37	154	20
Di-n-butylphthalate	500		610	ug/L	122		7		40	151	20
Fluoranthene	500		610	ug/L	122		5		42	146	20
Benzidine	1000		140	ug/L	14		35	*	10	130	20
Pyrene	500		590	ug/L	118		7		41	149	20
Butylbenzylphthalate	500		600	ug/L	120		5		39	155	20
3,3-Dichlorobenzidine	500		330	ug/L	66		14		10	114	20
Benzo(a)anthracene	500		630	ug/L	126		7		41	147	20
Chrysene	500		620	ug/L	124		5		44	144	20
bis(2-Ethylhexyl)phthalate	500		600	ug/L	120		5		33	160	20
Di-n-octyl phthalate	500		630	ug/L	126		7		36	158	20
Benzo(b)fluoranthene	500		600	ug/L	120		5		40	150	20
Benzo(k)fluoranthene	500		650	ug/L	130		8		40	147	20
Benzo(a)pyrene	500		660	ug/L	132		6		42	147	20
Indeno(1,2,3-cd)pyrene	500		660	ug/L	132		10		30	166	20
Dibenz(a,h)anthracene	500		650	ug/L	130		10		23	172	20
Benzo(g,h,i)perylene	500		590	ug/L	118		11		27	167	20
1,2,4,5-Tetrachlorobenzene	500		530	ug/L	106	*	6		89	102	20
1,4-Dioxane	500		420	ug/L	84		2		38	130	20
2,3,4,6-Tetrachlorophenol	500		630	ug/L	126	*	5		91	111	20
1-Methylnaphthalene	500		490	ug/L	98		6		25	151	20

Surrogate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4796-03	TP-2	BE101573.D	2-Fluorophenol	150	117.16	78		18	112
			Phenol-d6	150	109.19	73		15	107
			Nitrobenzene-d5	100	71.29	71		18	107
			2-Fluorobiphenyl	100	73.54	74		20	109
			2,4,6-Tribromophenol	150	111.90	75		10	116
			Terphenyl-d14	100	86.20	86		10	105
P4796-07	TP-4	BE101572.D	2-Fluorophenol	150	101.45	68		18	112
			Phenol-d6	150	97.88	65		15	107
			Nitrobenzene-d5	100	63.45	63		18	107
			2-Fluorobiphenyl	100	65.04	65		20	109
			2,4,6-Tribromophenol	150	100.38	67		10	116
			Terphenyl-d14	100	77.75	78		10	105
PB164845BL	PB164845BL	BE101565.D	2-Fluorophenol	150	130.15	87		18	112
			Phenol-d6	150	114.49	76		15	107
			Nitrobenzene-d5	100	79.29	79		18	107
			2-Fluorobiphenyl	100	83.95	84		20	109
			2,4,6-Tribromophenol	150	105.66	70		10	116
			Terphenyl-d14	100	84.68	85		10	105
PB164845BS	PB164845BS	BE101566.D	2-Fluorophenol	150	121.83	81		18	112
			Phenol-d6	150	107.73	72		15	107
			Nitrobenzene-d5	100	76.38	76		18	107
			2-Fluorobiphenyl	100	80.21	80		20	109
			2,4,6-Tribromophenol	150	99.32	66		10	116
			Terphenyl-d14	100	78.04	78		10	105

Surrogate Summary

SW-846

SDG No.: BE111124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4756-04	BP-B4	BE101567.D	2-Fluorophenol	150	168.40	112		10	139
			Phenol-d6	150	151.67	101		10	134
			Nitrobenzene-d5	100	109.72	110		49	133
			2-Fluorobiphenyl	100	105.45	105		52	132
			2,4,6-Tribromophenol	150	166.49	111		44	137
			Terphenyl-d14	100	113.24	113		48	125
P4756-04MS	BP-B4MS	BE101568.D	2-Fluorophenol	150	169.61	113		10	139
			Phenol-d6	150	156.31	104		10	134
			Nitrobenzene-d5	100	108.00	108		49	133
			2-Fluorobiphenyl	100	108.27	108		52	132
			2,4,6-Tribromophenol	150	164.25	109		44	137
			Terphenyl-d14	100	107.28	107		48	125
P4756-04MSD	BP-B4MSD	BE101569.D	2-Fluorophenol	150	180.59	120		10	139
			Phenol-d6	150	171.02	114		10	134
			Nitrobenzene-d5	100	113.57	114		49	133
			2-Fluorobiphenyl	100	113.70	114		52	132
			2,4,6-Tribromophenol	150	172.20	115		44	137
			Terphenyl-d14	100	114.93	115		48	125
P4793-02	M00-24-00345	BE101570.D	2-Fluorophenol	150	175.55	117		10	139
			Phenol-d6	150	160.53	107		10	134
			Nitrobenzene-d5	100	112.11	112		49	133
			2-Fluorobiphenyl	100	110.66	111		52	132
			2,4,6-Tribromophenol	150	178.85	119		44	137
			Terphenyl-d14	100	124.31	124		48	125
P4795-02	LAW-23-00189	BE101571.D	2-Fluorophenol	150	164.16	109		10	139
			Phenol-d6	150	137.67	92		10	134
			Nitrobenzene-d5	100	112.55	113		49	133
			2-Fluorobiphenyl	100	104.55	105		52	132
			2,4,6-Tribromophenol	150	170.10	113		44	137
			Terphenyl-d14	100	118.88	119		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BE111124

Lab Code: CHEM

SAS No.: BE111124 SDG NO.: BE111124

Lab File ID: BE101563.D

DFTPP Injection Date: 11/11/2024

Instrument ID: BNA_E

DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	15
68	Less than 2.0% of mass 69	0.3 (1.8) 1
69	Mass 69 relative abundance	15.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.5
275	10.0 - 60.0% of mass 198	18.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101564.D	11/11/2024	10:19
PB164845BL	PB164845BL	BE101565.D	11/11/2024	10:55
PB164845BS	PB164845BS	BE101566.D	11/11/2024	11:31
BP-B4	P4756-04	BE101567.D	11/11/2024	12:09
BP-B4MS	P4756-04MS	BE101568.D	11/11/2024	12:45
BP-B4MSD	P4756-04MSD	BE101569.D	11/11/2024	13:21
M00-24-00345	P4793-02	BE101570.D	11/11/2024	13:57
LAW-23-00189	P4795-02	BE101571.D	11/11/2024	14:33
TP-4	P4796-07	BE101572.D	11/11/2024	15:08
TP-2	P4796-03	BE101573.D	11/11/2024	15:44